**Implementing Dependency Injection**

**DependencyInjectionExample:**

interface CustomerRepository {

    String findCustomerById(String id);

}

class CustomerRepositoryImpl implements CustomerRepository {

    public String findCustomerById(String id) {

        return "Customer{id='" + id + "', name='Elsa'}";

    }

}

class CustomerService {

    private CustomerRepository repository;

    public CustomerService(CustomerRepository repository) {

        this.repository = repository;

    }

    public void getCustomer(String id) {

        String customer = repository.findCustomerById(id);

        System.out.println("Found: " + customer);

    }

}

public class DependencyInjectionExample {

    public static void main(String[] args) {

        CustomerRepository repo = new CustomerRepositoryImpl();

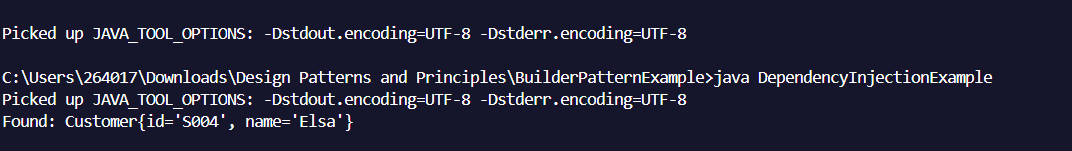
        CustomerService service = new CustomerService(repo);

        service.getCustomer("S004");

    }

}

**Output:**

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